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PATENT COOPERATION TREATY  
**PCT**

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference WP04-0953-XC	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. PCT/CN2004/000674	International filing date ( <i>day/month/year</i> ) 23 June 2004 (23.06.2004)	Priority date ( <i>day/month/year</i> ) 04 July 2003 (04.07.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant LIM, Potung		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).																								
2.	This REPORT consists of a total of 6 sheets, including this cover sheet.  In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.																								
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%;"><tr><td style="width: 15%; text-align: center;"><input checked="" type="checkbox"/></td><td style="width: 35%;">Box No. I</td><td style="width: 50%;">Basis of the report</td></tr><tr><td style="text-align: center;"><input type="checkbox"/></td><td>Box No. II</td><td>Priority</td></tr><tr><td style="text-align: center;"><input type="checkbox"/></td><td>Box No. III</td><td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td></tr><tr><td style="text-align: center;"><input type="checkbox"/></td><td>Box No. IV</td><td>Lack of unity of invention</td></tr><tr><td style="text-align: center;"><input checked="" type="checkbox"/></td><td>Box No. V</td><td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td></tr><tr><td style="text-align: center;"><input checked="" type="checkbox"/></td><td>Box No. VI</td><td>Certain documents cited</td></tr><tr><td style="text-align: center;"><input type="checkbox"/></td><td>Box No. VII</td><td>Certain defects in the international application</td></tr><tr><td style="text-align: center;"><input checked="" type="checkbox"/></td><td>Box No. VIII</td><td>Certain observations on the international application</td></tr></table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input checked="" type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input checked="" type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<input checked="" type="checkbox"/>	Box No. VIII	Certain observations on the international application																							
4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																								

<b>The International Bureau of WIPO</b> 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 740 14 35	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="padding: 2px;">Date of issuance of this report 09 January 2006 (09.01.2006)</td></tr><tr><td style="padding: 2px;">Authorized officer  Nora Lindner</td></tr><tr><td style="padding: 2px;">Telephone No. +41 22 338 89 65</td></tr></table>	Date of issuance of this report 09 January 2006 (09.01.2006)	Authorized officer  Nora Lindner	Telephone No. +41 22 338 89 65
Date of issuance of this report 09 January 2006 (09.01.2006)				
Authorized officer  Nora Lindner				
Telephone No. +41 22 338 89 65				

# Translation

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: 100045

**KINGSOUND & PARTNERS**  
Suite 502, China Commerce Tower,  
NO.5 Sanlihe East Road,  
Xicheng District  
Beijing, China

PCT WIPO PCT

RECEIVED  
07 OCT 2004

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43 bis.1)

Date of mailing

30 SEP 2004 (30.09.2004)

Applicant's or agent's file reference

WP04-0953-XC

#### FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/CN2004/000674

International filing date (day/month/year)

23. Jun. 2004 (23.06.2004)

Priority date (day/month/year)

04. Jul. 2003 (04. 07. 2003)

International Patent Classification (IPC) or both national classification and IPC

IPC<sup>7</sup> E02B1/00

Applicant

LIM, Potung

#### 1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☒ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application

#### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

#### 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/CN  
6 Xitucheng Road, Haidian District  
Beijing, P.R.China 100088

Authorized officer

王印  
WANG BO

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Telephone No. 86-10-62085013

Form PCT/ISA/237(cover sheet)(January 2004)

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/CN2004/000674

Box No. I Basis of the opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language  
, which is the language of a translation furnished for the purposes of: international search (under  
Rules 12.3 and 23.1(b))

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing  
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format  
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ in addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/CN2004/000674

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement:

Novelty (N)	Claims 1-5	YES
	Claims	NO
Inventive step (IS)	Claims 3-5	YES
	Claims 1, 2	NO
Industrial applicability (IA)	Claims 1-5	YES
	Claims	NO

2. Citations and explanations

D1(JP10-204853A) discloses a damming control system for estuaries, which measures the tidal of the external water levels (H1) and the water level (H2) within the estuary (H2). The difference between the internal and the external water levels is computed. Based on the water level difference a gate (G) is opened and water is supplied to external, during low tide. Claim 1 relates to the field of preventing flood, while D1 relates to the field of power generation, agriculture, but the objective of each is to prevent the reverse flow of sea water. So the invention defined in claim 1 cannot be considered to involve an inventive step. The additional technical feature of claim 2 is also disclosed in D1. So both claims 1,2 are not comply with Rule 43.1.

International application No.  
PCT/CN2004/000674

Form PCT/ISA/237(Box No. VI) (January 2004))

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/CN2004/000674

**Box No. VIII      Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claims 3 and 5 is not clear because of the words "can" and "about", and not comply with PCT A6.